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## (54) THE FIBRE OPTIC VARIABLE LUMINANCE PERIMETRY WAND

(71) I ALAN JAMES SPURRETT of Hoyle House Farm Cottage Off Station Road, Oakworth, Nr. Keighley, West Yorks., do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:

The invention consists of the use of a thin fibre optic filament (1) to pipe light to a small spherical glass or plastic bead (2) which is used as a hand held perimetry target for plotting the extent of the visual field.

The fibre optic is housed in a metal tube (3) 2 mm diameter and approximately 70 cms. long which is used as a perimetry wand. The luminance of the target is varied by controlling the light intensity entering the fibre, from the light source (4), by means of two sheets of polarising plastic, the axis of which may be rotated (5) and (6).

One of the polarisers (6) is fixed to the pentorch body (8) in front of the source and the other fixed to the wand's supporting collar (7) which is a squeeze fit on the pen torch body and which rotates with finger pressure.

The light source (4) is a small electric filament bulb which is housed in a pen torch handle (8) and is powered by either dry cell batteries or mains supply.

WHAT I CLAIM IS:—

A device for plotting a patient's visual field, comprising a fibre optic light guide on the end of which is fixed a bead to emit light transmitted down the fibre optic, the fibre being secured inside a tube, the tube being adapted to fit a pen torch and also containing two polarising filters the relative position of which can be suitably adjusted to control the intensity of light passed into the fibre from the bulb in the pen torch.

A.J. SPURRETT

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